The Mining Journal

RAILWAY AND COMMERCIAL GAZETTE

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 475 .-- Vol. XIV.]

LONDON: SATURDAY, SEPTEMBER 28, 1844.

PRICE OD.

GINEREA, MACHINISTS, MILLWRIGHTS, IRONFOUNDERS, AND OTNERS.

SEG. WARLTERS, LOVEJOY, and SON are instructed fluids. Guileway and flow (who are retiring from their present estate GUTER FOR BALE, BY PUBLIC AUCTION, on Monday, the 7th of following days, at Twelfer chiefs precisely, on the presidence, went.

and following days, at Twelve objects precising from their presents and following days, at Twelve objects precision, on Monday, the I and following days, at Twelve objects precision, on Monday, the I and I the city of Landon, the whate of their extraories, a which is to the city of Landon, the whate of their extraories. PLANT OF VALUABLE MACHINERY AND TOOLS, thee is Trade—consisting of Well-VE STEAN-ENGINER, of we a power; SIXTY TURNING LATHER, self-acting, acrew-outling, its step and size; EFUN SAW-MILLS, two phandag marchines, dight or their particular and their self-acting of their particular and their self-acting of their particular and their self-acting of their particular and their self-acting on the self-acting of the self-acting of the self-acting of their self-acting on the self-acting of the self-acting of their self-acting on the self-acting of the self-acting on the self-acting of the self-acting on the self-acting on the self-acting on the self-acting on the self-acting of the self-acting on the self-acting on the self-acting of the self-acting on the self-acting on the self-acting on the self-acting of the self-acting on the self-acting of the self-acting on the self-acting of the self-acting of the self-acting of the self-acting on the self-acting of the

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THE MINING JOURNAL.

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LORD ASHLEY'S ACT-COMMISSIONERS' REPORT.

Mr. Seymour Trement tour of improvements and office at-, the commissioner appointed under this Act, a concluded an official tour of inspection into its operations, and his re-ct on the subject is now before us. This gentleman entered on his du-

LOND ASSILETY ACT—COMMISSIONES: METORY.

Mr. Supreme Tremsheme, the commissioner or graphism as the list of the commission of the present pure and it supreme that he is a commission of the present pure and it supreme that he is a commission of the present pure and it supreme that he is a commission of the present pure and it supreme that he is a commission of the suprementation of the

or personne congaged in agriculture.

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any of the storm recurs to the proprietors double that amount, and, ough this profit may be obtained in the most legitimate way by ready oney purchases, taking advantage of the markets, &c., still the fact itself must but be 4 source of illfeeling and dissatisfaction.

We spell russume the consideration of the subject in our next Journal.

Through your ferronmanner Ranger's Count appealations are enter-traced as in the Appealage nation of the reports proposed for the half-year's meeting. Short the recognition of work by the pitters, the presents of the law have greatly increased, and we have that the Specimes contemporar over together is self to the facilities of the like.

Victory or increases—from as off standards send in house to have been accepted as Deceleration, in Standard, as easily as in the poor 1501, which is produced the citied record of it is Standard, and only engagemed by two to-tions in England—one cloud 120s, and the other in 150s.

re double that amount, and, | CONSUMPTION OF FUEL IN LOCOMOTIVE E

An important paper on the electronatances that have affected the co-tion of feel in the engines on the Liverpuol and Maschester Railwa the opening to the present time, was intely read at the Liverpuol Poly Society, proving that the great saving effected has been realized from passive system of working the steam. A register of the consumption past six years will show the extent of the economy obtained; the nor trips did not materially vary in the overest years.

in of Cake in the Loca

Max. PARKES'S HEFFAFEARICOS.—Our last Journal contained the paticulars of the approaching great drawing for the esistented However collection of works of art, and which, we are pleased to find, has been the meas of attracting much attention. Since Government has dreamed it present disconnences the system, it was to be expected that on the time approach much anxiety would be eviaced to obtain a "chance" of possessing see of the valuable and brantiful pictures and engravings now allotted for publishing the control of the processing see of the valuable and brantiful pictures and engravings now allotted for publishing the first of the control of t

this is the last day on which they can be procured, at the galleries of Mrs. Parker, 22, Golden-square, or at her city agents', 10e, Leadenhall-street.

Y Pokvyzonane Lawrytvinou.—A concert on a style of perfect aveility the result of the joint offents of musical and optical science, with the addition and assistance of the beautiful words of the crickented poem, from which Collins derives his lasting reputation, the "Ode to the Passions," and with the further assistance of Professor Bachautner, who contributes his philosophic knowledge for the bester understanding of the whole, has been this west produced at this institution, and has been accompanied with complete analysis and the same of a character that will uphoid the same of the component. The vocal department is entrusted to Measrs. Herbort, Giffard, M'Carthy, &c., and is very orcelitably exocuted. The optical literations are produced by the application of the Proteonome, the invention of Mr. Long-button—a genilement to whom seismes is indicated for his talents and paramyring industry in the prosecution of discoveries connected with uptice. The connect begins with the appearance on the dire of the head, or bust, of Music, "When Music, heavenly maid, was young, "Whilst yet in early threese she sung," Ass.

The words of the ode are strong, and as the bend media into the head of Fung, the words of the ode are strong, and as the bend media into the head of Fung, the words of the ode are strong, and as the bend media into the head of Fung, are sung in like meaning accompanied by Dr. Wallie's mesor, and so on through the whole range of the posm—Anger, Despuir, Hope, Evenage, Pity, Jubstory, Melanshedy—and the presentifications of the post (means of which are treatifully and converty patented) appearing in terms appear to discover to the sungerists studing the approach portions of the code immediately relative to them.

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COMPONITION FOR WRITING WITH STEEL PENS.

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ASTERN COUNTIES RAILWAY COMPANY.

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WEST CORNWALL RAILWAY, FROM TRURO TO FALMOUTH, MEDIUTH, MAYLE, AND PRINCANCE.

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re Walse feer Tales.—In the first part of the paper on this sol sa's Josephi, the word referee was printed for not work, in the pa-ring to Bussian intercommunication.

a. B." (Adelphi) —The paper chall be inserted in our next Jules glad to receive the proposed series.
 b. B. "S." (S. Brien'). —The paper is in course of preparation of a series intended for early publication.

T. H. O." (Great Yarmouth).—We will endoarous to obtain furth and give them publicity through our columns.

Contact In A Commercial " (next week)—T. Mullionary—" J. M."—Mr. Cobbs Con the Improper Conduct of Joint-Story Companies, and of the New Easis Company.

THE MINING JOURNAL. Mailway and Commercial Casette.

LONDON, SEPTEMBER 28, 1844.

We have before us the report of Mr. Themenumens, on the effect produced by Lord Ashlan's bill, as regards the employment of women and children in mines and collieries, from which it is gratifying to find that the miner and collieries, from which it is gratifying to find that the miner and collieries, from which it is gratifying to find that the miner and collieries, from which it is gratifying to find that the miner and collieries, from which it is gratifying to find that the miner and collier has not suffered from non-employment being given to his wife and children, who now employed underground. Let us not, however, he considered as assenting to the remarks which have appeared during the past week in the columns of our contemporaries.

The quotations from the report of Mr. Themenimens refer more particularly to Scotland than to any other colliery duricet, and, while we readily admit the evidence he affords as regards that locality, we must needs say that in the north of England, Durham, and Newcastle, such scenes as those depicted are unknown, and the same remark may be equally applied to the Staffordshire and Denhyshire districts—the next cuttage, and the eight day clock, with the cabbage garden, on our visiting the collier at Newcastle, was to us most gratifying, and in like manner have we experienced pleasure from visiting the humble cabine of the collier and miner in other districts. Our knowledge of Scotland, we admit, is more limited and, taking Mr. The mensuran's report as applicable to the colliery districts generally, we can only express regret that such scenes present thomselves. We have noticed the report in another endamn, and next week shall have occasion to offer further remarks. med next week shall have occasion to offer further remarks.

we are well pleased to find that the West Cornwall Railway is in the field, and that, in addition to the south line, we are now to have a line connecting Truro with Falmouth and Pensance. Among the directors are the names of several gentlemen connected with the county, either as representatives or associated with its interests. We consider this company to be not only fairly started, but examed doubt it will receive the support of the public. In adverting to it, we do no as regards the district, being one which claims our attention from its mineral character, while we offer no opinion as to the advantages which the speculation presents to those whome my embark their capital—while the high character of those whome names appear, are sufficient to justify a conclusion that it holds out promise to the shareholders. The railway may be naturally expected to be profitable, as facilitating communication with the various mining districts west of Cornwall, while the packet service from Falmouth to foreign stations fully merits the support of Government; and we cannot but doubt, that if well managed, it will well repay those who may amiliark in the enterprise.

we cannot but doubt, that if well managed, it will well repay those who may ambark in the enterprise.

A meeting was hold on Monday last, when Mr. E. W. W. Pambary presented, the presentings at which caust have been gratifying to "one and all." We have not space for notice this week, but in our test shall advert to the main features which the meeting presented. We are glad to find, that Mr. Aren, Lawre Lower Gowra, as chairman of the Minary Company, expressed not only his intention, to take shares in the radway, but also the deep and levely interest he felt in the prospering of Cierwall. With each man and active measures, the West Cierwall Ballway must succeed.

The re-union of the British Association for the Advance

The re-union of the British Association for the Adragacement of Science has again taken place.—York being this year again homomeal by the presence of those distinguished man of science who take part in its presentings. Several papers treating on the geological homores of the country, as well as eshees relating to momentary, promise to be of interest, and will receive attention in our outy. Numbers. We request there also all he are one related relating to the presentings of the manufactor which should call for community other than that of proise; but we absorbe his ourselves communities that the require telescope of the manufactor of fireness as subset than their of proise; but we absorbe find ourselves communities that the pass by enactione; that account of fireness as subset to a subset to the sentence of fireness as subset to the transmission in other quarters.

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REGULATION OF JOINT-STOCK BANKS.

REGULATION OF JOINT-STOCK BANKS.

The Act of Parliament passed in the last session for the regulation of joint-stock banks being now in operation as the law of the head, the various banks in the City are proporing for the regulation of their public officers, 'n order to avail themselves of its privileges; as it is at this moment of considerable importance, we shall give an abstract of the Act, sufficient to inform our readers of its general principles. No company of more than six persons, established since the 6th May last, can carry on business and benfore, may carry on business until the letters patent have been greated. Before commencing business, every such company must petition the Queen to great such patent—the petition to be signed by seven, at least, of the mid company, with the names of all the partners, and their residence—the proposed must be proposed amount of capital (which is never to be less than 100,000d.), and the mane of the street or place where the business in the carried on—the proposed amount of capital (which is never to be less than 100,000d.), and the means by which it is to be raised—the amount of shares in the business, and the amount of each share, not being less than 1004, each. The petition is then to be referred to the Board of Trade, who will report to the Privy Council, from whom the patent is to emanate. The dead of partnership is to be in accordance with a form to be approved by the Board of Trade, containing provisions for hobbing ordinary and extraordinary governl meetings—the management of the company's affairs—for the retirement of at least one-fourth of the directory yearly, and preventing their re-election for at least twelve months—for publishing the assets and liabilities once a months—auditing the accounts—for the communication of the suditors' report, balance sheet, and prefix and less account to every shareholder—and the deed executed by the holders of at least half the shares, on which 10t have been paid-up, in to be annexed to the petition. No company is to be bro

REGULATION OF JOINT-STOCK COMPANIES.

The Act of Parliament for the regulation of joint-stock companies, which is now published, comes into operation for general purposes on the 1st of November sext, but for the registration of the several officers to be ap-pointed in purmance thereof immediately on its passing. The set applies to every joint-stock company in Great Britain and Ireland, except Scotin creation. He referred to the various sources of electrical carditation, and hand—and in Sectional, if they have a place or places of business in any other particularly between places of business in any other particularly where the capital is divided into theree, every marriess on any other particularly in the different ways, alluding more particularly in the different ways and the properties of the company of the particular of the company of the particular of the company of the and—and in Scotland, if they have a place or places of business in any ther part of the kingdom. The term "Joint-Stock Company" to imply

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STATISTICS OF PRODUCE OF COPPER MINES, WITH AMOUNT OF SALES, PRICES OF METAL, &c.

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not extend to mining companies, nor anonymous partnerships in Ireland. The registrar is to make to Parliament an annual report of the number of registered companies, a list of cases of pensities for failure, a return of regulations by the Board of Trade, of persons holding the situations of registrar and other offices, of the amount of fees paid, bankruptcies of joint-stock companies, and of all alterations and modifications made by the Privy Council in conditions and regulations to be observed by joint-stock companies.

SHEFFIELD AND MANCHESTER RAILWAY.

In snother column will be found the 'comprehensive and important re-port of the directors of the Sheffield, Ashton-under-Lyne, and Manchester port of the directors of the Sheffield, Ashton-under-Lyne, and Manchester Railway, presented to the half-yearly general meeting, held on the 25th instant; and not only by parties interested in this line, but by the railway world generally, it will be read with considerable interest, as evincing a determination on the part of the directors to avail thomselves of all possible opportunities for promoting the interests of the proprietary over whom they preside—and where there are indications of any competting lines springing up, or such as, by speedy completion, are calculated to form valuable adjuncts to the main line, to step in, and turn every chance to account. Various branches are now under consideration—or, indeed, their formation may be said to be actually undertaken by the directors—all of which will meet evidently prove preditable feeders, accommodate a large population in the surrounding districts, and add much to the importance of the line. By these concrete measures on the part of the directors, the transit of passengers and goods is secured to the company over a considerable surface of country, right and left of their original line, which must add in a most important degree to its ultimate value, and secure to the shareholders a far greater return for their investment than was at first contemplated. Progressive improvement appears to be taking place in the expected to the apan in July next.

ON THE GENERAL PRINCIPLES OF VOLTAIC ELECTRICITY.

on the general Principles of Voltale Electricity.

Mr. Hearder (of Plymouth) delivered a very able lecture at the Royal Cornwall Polytechnic Society, on the general principles of voltaic sheeticity, and its intimate connection with magnetism, together with some observations on the various conditions which modify electro-magnetism, and on the probability of its being employed as a mative power. The lecture commenced, by alluding to the vast importance which the science of electricity had obtained of late years, in consequence of the very extensive application to various branches of art, of which it had been found susceptible. He referred to the various sourcess of electrical excitation, and described the different characteristics of the action of electricity excited in different ways, alluding more particularly in the different effects pendaced by the electricity of tension, excited in the ordinary way by the electricity and white electricity or that excited by the chemical action of various menstrux upon metallic and other bodies. Mr. Hearder then described the successive improvements which had taken place in the construction and strangement of voltale hatteries, and applicant the very great advantages derived from the modern contrivances of Datiel, Sanes, and Groves. A voltaic hattery was then agained, all the very great advantages derived from the modern contrivances of Datiel, Sanes, and Groves. A voltaic hatter, was the coppular and the interest children convention and straight and oppore in more of the heat produced by the chectrical convent in its passage under different conditions; charced points were ignited, allver, brane, and copper success which has attended the requirement may alluded to the capitality of the circumstances which as attended the replaced and the security of the effects produced by wear brought within the uphere of its influence in servicing and the contributed as a motive power, no obstacles exist which may not attimately be overcome, and attributed to private produces a whole a subs

tode, and the Castingia Wall Computer \$10 technology; probably, compy a same-depolite time.—Carticle Patrice.

**To . Record Congress of the same had committee frequencing to refer to this pignetic affect, which, as our readers are awars, to the highest in collisions, if a same engined to leave, by the Giospier Citisen, that it is excluding sensitively for the same engined to leave, by the Giospier Citisen, that it is excluding sensitively for the leave to the same temperature of the contract of the cast height, but therety, we present to exclude the contract of the cast height, but shield; we present, is consequence of the contract leave they can be the same of the cast to the same and the same to the sa

EXPERIMENTS ON THE EXPLOSIVE PORCE OF OXYGEN AND HYDROGEN GASES

BY JAMES JOHNSTON, ESQ., WILLOW-PARK, GREENOCK.

In 1841 I took out a patent for obtaining motive-power from the exp sive and condensing properties of oxygen and hydrogen gases. In order to ascertain the power and length of stroke which those gases would give when exploded in a cylinder, I commenced, on the 24th April, 1841, a set experiments, of which I now give the results :-

when exploded in a cylinder, I commenced, on the 24th April, 1941, a set of experiments, of which I now give the results:—

The apparatus with which I made the experiments consisted of a strong east-livos cylinder, accurately bored, so that its diameter was exactly two inches and thirteen-sixteenths of an inch.—This diameter gives a surface on the piston of six square inches; the piston was fitted very accurately into the cylinder—I have ascertained it to work perfectly air-tight; on the top of the piston there is a cross-head and spindle, for placing weights upon; the ends of the cross-head work in east iron guides; the gases are admitted to the cylinder by stop-cocks, and are exploded by an electric spark. I shall now describe the perliminary arrangements made before making each experiment;—I ascertained the weight of the piston, piston-rod, and other appendages, which the gases must move when the piston is put in motion, to be 9 lits. Sex.; I then ascertained that, to correcome the friction of the piston, it required 3 lbs. I oz., together with its own weight; therefore, add 3 lbs. I oz. to 9 lbs. Sex., and we have 14 lbs. 6 cs., the weight, or force, required to overcome the friction of the piston. I never proceed to load, as follows, the piston, so that I would give the gases 5 lbs. per square inch of weight to lift;—Weight of piston, 9 lbs. S ox., amount of friction of piston, 14 lbs. 6 cs., amount of weight required to make up the 5 lbs. per square inch of weight, as there are six square inches of surface on the piston. I measured the gases in the cylinder by the height to which I raised the piston; a very inch of distance between the beitam of the cylinder and the bottom of the piston holds six cubic larders lookes of surface on the piston, are consistent of the piston, in the proposet; when height to which the experiment, I always raised the piston in the height to which to be st, by piacing under the ends of the same of the cross-head pieces of wood, made for the purpose; after the piston we thus rais

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In the last experiment—vin., that in which twenty-figan were expluded under a limit of arrendy-five pounds
the explosion was unable to left the platter, it merely she
The above table gives the maximum results of optonerepresentate, which I have made on the explosive force of
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THE BAR-IRON AND RAIL TRADE OF SOUTH WALES.

ORDERAL CORRESPONDENCE.

OTHER BAR-IRON AND RAIL TRADE OF SOUTH WALES.

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ADDRESS. ADDRESS. DESCRIPTION OF PROPERTY OF A PARCE.

Gran. In the Minning American of the 14th instant, there is a pagest by W. L., Prorryspend, describing a friend tree found in Pascaye. Minn W. L., Prorryspend, Minnesteers of the 14th instant, there is a pagest by W. L., Prorryspend, Minnesteers of the place where it was friend made in the place. The court from the first train of the place of the place of the first train of the first train of the place. The court found for the first train of the fi were against open the mean, the shock gening and at exactly the second in means in. State between the same and the mean. When the about this case and the mean and the mean and the mean and the same an comes many of their every to taking drawn the shall man by failure, and external way now be some on the sound of them partyrodication, eithers boarding a linte the cont, sense of these parpositionies, eithers been as come, sense of these parposition top of the cont, come to residually coming upon the top of the cont, mail, and their sic beight was regar browning the root on the top or the choics; the method, the bright was paid the chickens of the choic despite that the traces of the could, had not a trace of a create or beauty, in to be come to any our and these ; the draws and a trace of a create or beauty, in to be come to party man of these ; the draws and it seems to be comed to provide our print due to the couper content of the trace of the trace of the content of the couper content of the trace of the trace of the couper content of the trace of the trace of the couper content of the trace of the couper content to the couper content of the couper of more on the top of the electry to

MINE VENTUATOR.

Size,—In accordance with Mr. Philipp's suggestion, I encious you a drawing of my model wentilative, on a seale one quarter size. I find, upon referring to the mechine itself, that my former description is not quite correct; it has for venes, instead of eight, and is one and a key finch in broadth, instead of Front-bad I am of opinion that it would be equally, or even more, efficient, with only eight venes, and with the broadth reduced to our inch. As it is, I fool conducted that I should speak within bounds if I state, that the conresult of air which may condity be passed through it per microis amounts to from 1000 to 1200 cohie foot.

If columnity, Sopt. 23.

We have breated the frawing, which can be imposted at our office.)

WIRE SCOPE.

Stra,—I have read your occerangement's latter (Mr. Vivian) on this subject, which, I think, hears well on the point at leave; and I think that it is only due to the mining community from the patentes (whether it he Mr. Andrew Smith, or wherest may be the monufactures of the wise rape), that an explanation should be afforded. You have given the date on which you make the companions statement which appeared in your Journals of the Alexandra and the Johnson, and I think the makefulness over it to bissentif, as well as for the public, to set us right on this question. I have not yet applied the wise cope, nor shall I do so, until the matter in dispute in closued up.—Camberon, Sept. 24.

ACCIDINTS IN MINES.

ACCIDENTS IN MINES.

Size,—I coul with much interest your comarks on accidents in minor, and equally regret with yourself that this important entirect does not click more actualized on the part of your correspondents. The motion is one of deep interest, and the minor must find individud to your for the part you have taken; but it is next to impossible for individual caretion to effect any good. I shall be must happy to essist in the obtainment of the object, you have in view, and trust that those interested will lead you a helping band in your because endeaverse to present; the interests of, as well as to receive protection in, the operative endine. I ensure you say card, and, with flagshing for your caretions, I remain, your "o, dot.,

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ON PLUMBAGO.

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ON PLUMBAGO.

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SCENDING ACED.

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trees in place natural elusation undiscarbed, and standing just as they were beginning. The effect of opticities as are elevation of exclusive states and the standard opticities as are elevation of exclusive states. The effect of opticities as are elevation of exclusive states and the standard opticities are state of supports, and except lowering a banker full of explaining the state of supports, and except lowering a banker full of explaining the state of supports, and except lowering a banker full of explaining the state of supports, and except lowering as the content of the state of supports, and except lowering as the content of the cours of supports, and except ports for except supports of the cours of supports, and except ports for the cours of supports, and except ports for the cours of supports of the except supports of the except

Minima REPORTS.

Sex.—If fully agree with you in your strictures on the weakly mining reports which appear in the columns of your paper, for never were any compilations more insufficer to fallacious—while the directure and principal shareholders, who have commetions or agents in the county, are in possession of minute details as to the weaking of the mines and the prospects they present. I would have reports, as you suggest, at all times where any change occurs which is of importance to communicate; but the twaddle of "tribute ground," "years tribute ground," "years of ore," are so vague and indefinite, that while such statements are calculated to cover the ignorunce of those who report, they leave no absorbing to your to discover whether the mine is progressing for better or wome. Certain it is, that same agents farnish as with an estimate of the value of ground in course of working, but, as they do not at the same time hall us what its the oust of deving, or the tribute at which the pitches are not, I think that you neight, with a little rigitance, obtain this information; I would, therefore, engant, whether the discovers do it or not, that you should give us the result of the monthly settings, and also that you absorbed, as well as farmining the account of sales, give as the sament of monthly courts. A hint to you will, I find assured, he pufficient to sensor your heavily co-operation.—Siget, 20. As A Avenum and the same appearable, what the re-

(We thank our oursexpondent for the bind; we feel, with him, that the ports are, generally apsaling, sheard. If "An Advanturer," and others, support as in our endeavours, and give the result of such feats as they acquire, we have only to say that our columns will be at all times specified, we have only to say that our columns will be at all times specified to be a support of the columns of the same of the same

which respires.]

MR. HALL'S PLANS FOR THE PREVENTION OF SMOKE.

Sta,—Is not the principle of Mr. Hall's plans for the prevention of smake, and saving of facil, and facerthed in your last Number, at least remotely commerced with that coupleyed at Alton Towers, by Mr. Richard Whitty, of Hall, who, I believe, has always admitted that he required the original shints and engagestions from me? The principle is movely this —Lat the mechanisms tendency on the supplementary commenced article from its movies article from in-perfect combination, pass through ignified coits, and it is thereby commend. It may be illustrated by the intendention of a pions of influency campiter, which yields much smoke, into a came of influency actions, when, the move perfect combinations thus necessary, as another is emitted. The allesium to Mr. Whitly's name is accumpanted by the very pulific reflection, that is has been far from benefitted from his ingenesity and his mathincions in remaining. His means coughts in wall known, and practically approximated. I wish something could be thus to chase the obth of life, and the decline of yours. It is a load let to live fire athers, and to the calculated strent by them when have buildedness by the individual and analytical effects of these abstractions of the mind
line.

"Age and want-ob," If maint's pair,

J. MURRAY. NEW PATENTS FOR SEPTEMBER.

and it, Ledge, Lands, engineer, for Imperso

S. Clark

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New Arth record forting --M. Malagesti has froud the regard is benefic to a solution of austrate of suggest to a temper till said 100° per cont., so that the colds of suggest is provi to a diamographic of our regions, and the homospilite of a p

from the delignings from the rock falling upon the coal, and foreing the coal mater by the clien operate until the white carriy on filled up to the stock, and the coal water to present apwards all reason the cides of the coating of each which "W. L." calls exclusion bark, and which generally in formal accompanying such formations. I know there is a great deal of talend and ingeneity in these two rising generalization. W. L." and Mr. James Cadente-wal I should find grantly obliged by their estimation to the subject of this communication. I can observe many of those we candidated to the capabilities of the subject of this communication. I can observe many of those we candidated to the capabilities of the subject of this communication. I can observe many of those we candidated to the capabilities of the capabilities. The bases is now described, and standing just as they were formation. Sept. 72.

CHOKE DAMP, AND ITS REMEDY.

See,—The effect of quicklines as an observation of carbonics seid guain wall herew. But quicklines must not be thrown down a well, where there is a THE LONDON AND YORK BALLWAY.

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AL CANETTE

Planing r Introductory, Description, and Practical. By D. T. ANSUM, M.A., F.R.S. Van Voscot, London.

The region debraces which posicy as a science has made during the last half earstary, its great importance as a branch of natural history, and its close connection with the economical development of the minoral riches of the earth, have attracted the attantion of all closes, and the closest and most persevering investigation of the philosophies; it uncertain, however, as we the works which have emanated from the press on this fractioning subject, some have breaked it in a manner merely in impores upon the mind of the young student. The outlines or first principles of the system, while our great greingries have alaborately followed out the minutin of the serience, with all its difficult and laborites technicalities, parts of the work only being of that precely elementary character which the mind of the unionizated can perses with profit and delight. In the work before us the anthor's object has been in his principal and instructive only to the advanced and practical gas, as being interesting and instructive only to the advanced and practical grounds in the male of the surface of surface of surface of the surface of the surface of surface of surface of surface of surface of surfa

interest in the geologies, and to proper the mind of the tyre in the selecter for that period when he may feel it secensary to follow up the more abstrace and theoretic particle. It is expliced.

NEW LIFE BOAT.

In the Mining Journal of 11th July last, we noticed the various purposes to which the ingrainuse proparations of encoutehous or Indian rubber was being applied, by the Elizatic Pavenessard Company, such as incar shouthing for ships, hearmook nothings, and that of being the principal ingredient in the construction of a life heat, probably superior, for safety and facility of measurement, anything before invented for this important and humans service. This beat has now been completed, and proved to be admirably adapted for the hangefone enterprises whe is intranded to achieve; with an imponsibility of foundaring, her capabilities of rebounding when struck on rucks or against a vessel, within in lathous hearteneding and distrussing accoust which happen during a shipweek, give greater confidence in the hardy thus who man her, and safe materially to the chances of saving life and property from the devening deep. It is built on the diagonal principle, pulls Iwajue ours, has two large sails, and struce with a rucker, as well as an only, both ends being alike—while a while book. It is competed of India rubbur and core's, formed by mechanism presence into plancks, which are used instant of our planking, as incommend heats. It is appoint gravity being two-thirds lighter than wood, its busyancy and officiency is at once secured; she is thirty-four first in length, deven fact is breadth, and capper sarrounded outlet in horselfs, and capper sarrounded condens from the Beiginen Georgement four first in length, deven fact is breadth, and capper sarrounded condens from the Beiginen Georgement in the ammediately gut ready for sea nervice; orders from the large and subject to be insurant as expected otherly to follow, and we learn that Mr. Waller, under when the confidency of the confidency of the construction of the con

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PAYENT Discensive Gan Arvanaves.—We have been developed by them.

Payent Discensive Gan Arvanaves.—We have been developed by them, importion of an apparatus for the magnifesture of gan on a small scale, soft take for the dentiting became, workshops, manufactures, treatme, country sents, registery attainant, see descenses witches fere. It assesses to a rectangular retort planed at the back of the fers, at the freed of which is the monthly gaze for dischanging the coke, and at the top of the retort behind the fere is that for dischanging the coke, and at the top of the retort behind the fere is that for dischanging the coke, and at the top of the retort behind the fere is that for dischanging the coke, and at the top of the pression. A peculiar feature is this place for the production of discovering the gas has the hydrichalis sense, from whose it places through the reduce from the restore is this place for the production of discovering as is the fast that it because is this place for the production of discovering the gaz is the fast that it here with a helitant flower, and story from the discovering the gaz is the fast that it here with a helitant flower of the retort of the which heavily hospic the from the large restablishments () the many productive discovering the production of heat which heavily hospic the from a discovering contact continuation overhoon, the By this percenses, at a standi discovering the retort, in their health descents out give root, parisage, see healt file carbonistic by deeper to their health and continued to a time of control of the place is not according to the control of the place is not according to the control of the place in the fermion to their place is not productly compare. The place has been but a productive supple or all descentive registroparates. It may be comparative, and is apposition at Mr. Schillines's, the Parisablesor Parisablesisms, and financial establishments.

ENGLISH MINES.

ENGLISH MINES.

BUSINESS STATES COMPANY.

Sogd. 23.—In consequence of the great innecess of water at the 110 fathom breel, and its rise abere that, generate any regard below the 106 fathom level. In the 100 fathom breel, west of Himbins's shark, the hode stills contineed to this level, east of Michel's wiszar, the late is not been wide, and worth 121, per fathom; the hole in the content stippen, in the back of this level, in four-two insteads wide, and worth 121, per fathom; the hole in the instead of Michel's wiszar, the late in an expected of the late of Hitchins's shark, the hole in the ciphtoen in-the nature fathom level, west of Hitchins's shark, the hole in the sightoen in-the wide, and worth 211, per fathom; in the stopes in the back of this level in locks on the ciphtoen fathous; in the stopes in the back of this level the locks in one and worth 212, per fathom.

In the stope, two fathom level diving south (west of the great croas-carety), the ground continues favorable.

Sogd. 24.—At the stop of the level to share cut the locks of the great croas-carety, the ground continues favorable.

Sogd. 24.—At the late of the late of the stope of the locks of the locks of the late of the late of the late of the locks in the locks of the secondary, as no little is producing grow the fath of the late of the stope of the late of the

ore.

COMMOLIBATES TARFOIL MENING COMPANY.

Supt. 23.—The inde in Higgsmood's shaft, sinking under the signy fathers level, is sixteen tuckes wide, worth 121, per fathers—price for sinking, 101, per fathers—wide, producing a little over—price for sinking, 101, per fathers—wide, producing a little over—price for driving, 26, 10s, per fathers—price for driving, 26, 10s, per fathers—the latter of Hauwsood's shaft, is ten suckes wide, worth 25, per fathers—price for driving, 34, 11s, per fathers—tribute, 13s, in the 11s, but in the fathers—the for driving, 34, 11s, per fathers—the latter of Williams's shaft, is ten top fathers—the lock in the farty fathers—inves, sant of Missions—tribute, 13s, but in the fathers—the lock in the farty fathers—tribute, and of Missions—tribute, 3s, in the 11. What art.

LALLESTON MINITED ORDERS.

LALLESTON MINITED COMPANY.

Sign. 22.—Marrey's argine shall be such under the seventy eight fathous level note two fathouses; the ground is of a from killes cathon. The arresty-eight fathous have, dividing west of Mayony's, is improved; the fode is not need a boil feet wide, good word; this broot driving cost is also feetones store promising, the look being over four wide, occing work. The tribute pitches on the merit looks are also a little more production. At Verdinagings, we are driving event of Machine's shall, at the two fathous freely the proposition of the first and a little word and the first and a little word is with a fathous to drive before we can the look. The hole is the ten fathous lavel, fathous to drive before we can the look. The hole is the ten fathous lavel, fathous word, is not foul and a half wide, anyonetheative, as is also the after lovel gring word, it can foul and

Sigh, 21,—The water is now in Jurk at the seventy, and the sum have measured cutting the plat, preparatory to sinking below this laret. The the sixty stopes is about lowe feet wide, componed of copper, capel, and die, saving work; in this lavet, going work, the lade is five feet wide possed of capel and mandle, impreparated with compare. In the fifty lavet west the lode is four feet wide, compound of mindle and capel, wit stones of ore. At the new mine, the laret is the ten fattoon laved in wide, compound of mandle and capeles. In Ryall' the lade is about five feet wide, compound of capper and mandle. To adit to progressing with all possible speeds.

T. FENALU

POREIGN MINES.

adit to progressing with all possible speech.

FOREIGN MINES.

COPTARO MENING COMPANY.

Copologo, May 28.—Chica Mine.—Although we have out been able to achieve any thing very great, as requeste province, on accessed of the rich parts of the vein heing narrow in most of our workings; but, I ame happy to inform you, that, in one or two instances, they are all buginning to widen, and preceded a very cheering appearance. We have a had two of our English minera-empioped, about the days, in cutting u plat at the twesty-siz falkoon invest, at the Vieter's shaft, and patting the shoft in proper order, to bring the ubian hibbit to draw there; besides, must of our English minera hard been prevented for acvered days from attending to their work by sickness; this, you are aware, has therems an bank considerably, had, an they are now all well, and liver on a smare, has therems an bank considerably, had, an they are now all well, and liver or amount of their work. I trust I shall have an increased quantity to report to my anat. In the level driving in the west cand of the mine the look is two fast which, and though at present not more than one-half is of shipping quality. I believe that it will, as we advance (and that shortly no), be found print of the plantity of the confusion produced by the foundation of the plantity of the planti

MINE ACCIDENTS.

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SALE OF COPPER ORES IN CORNWALL spiel Styl. 11, and Sold at Pearon's Hatel, Trure, Sept. 21.

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Freeman and Co. 225 1937 2 2 Groundail and Suite 2 1948 194 4 6 Grown Willynams, Novill, Druce, and Co. 450 2 2007 18 9	Virian and Some	DATE 1988 & G
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Copper over for sain on Photosisty work, at Andrew's Hotel, Redroth.—Mines and Parcels.—Carls Stree Mines 400—Wheat Promper 440—Cinesof 200—Wheat Virgin 100—Per Comerce 100—Collect Mines 100—Wheat Bower 120—Wheat Setup 121—France Cinesofs 100—Set Wheat Setup 121—France Cinesofs 170—Settlinks 120—Wheat Declington 114—Erecansanance Collects 101—Carls Person 40—Whost Comfort to Wheat Asia Alex 100—Wheat Treasury 20—Wellington Mines 4 Whost Aged 4.—Tutad, 5000 tone.

SALE OF COPPER ORES AT SWAMSEA

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Brandling Janutica	38	845,718	84	84	(Manufaction)	496
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Choose and Birkenbead		852,378	99	290	61g 19 ·	598
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Bublin and Lingstown		B48,786	100	1046	1461 19 18:1	1004
Donder and Arbroath		186,414	38	200	148 7 8	100
Burbase and Renderland	186	267,249	34	Di 7	*** * 7	-
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Billindestylk and Gitargow	40	1,411,479	340	40 7	9479 # #	100
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Liverpool and Manchester	88	1,515,394	100	767	8110 4 8	4270
London and Stratingham	1120	6,000,200	100	296 180	raced sa. s	1700
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